

Online Resources: Version control (SVN)

The screenshot displays the USGS Geologic Hazards Team website, specifically the NSHMP/2008 - GEOH source code repository. The page features a USGS logo and navigation links for Home, Staff List, Map & Directions, and Contact Us. The main content area is titled "The 2008 NSHMP Source" and provides information about the source code used to generate the 2008 National Seismic Hazard Maps. It includes a "Documentation" section with links to various reports and a "Obtaining Source Code" section with instructions on how to check out the source code via Subversion (SVN).

The 2008 NSHMP Source

The source code used to generate the 2008 National Seismic Hazard Maps has been Subversion to improve maintainability and reproducibility. One may [browse](#) or [download](#) (below). Links are also provided to relevant documentation. Note that some of this it predates the recent migration and will be updated shortly.

Documentation

A variety of documentation accompanies the 2008 NSHMP.

For details about source files, their purpose, compilation, and use, please see the [NSHMP Source Files](#).

For information on regional input files and how outputs are combined, see [Inputs & Outputs](#).

For details on how input files are structured, see [Software Documentation](#).

Lastly, the Open-File Reports that have accompanied each release of the maps are from previous versions and that are not documented in the 2008 OFR.

- [2008 Open-File Report](#)
- [2002 Open-File Report](#)
- [1996 Open-File Report](#)

Obtaining Source Code

One may check out the NSHMP source code via the Subversion (SVN) command line or using some other client. Instructions on how to use Eclipse are supplied below:

1. Checkout the codebase directly from our Subversion (SVN) repository. We recommend using a newer version of the [SVN client](#), even if your computer already has a client installed. Navigate to the [directory](#) to download the project to and run:

<https://geohazards.usgs.gov/trac/wiki/NSHMP/2008>

Online Resources: Communication Tools

The screenshot displays the geohazards.usgs.gov website. The top navigation bar includes the USGS logo, the title "NSHMP/2014 - GEOHAZARDS TRAC", and links for "USGS Home", "Contact USGS", and "Search USGS". Below this is a "Geologic Hazards Team" banner with links for "Home", "Staff List", "Map & Directions", and "Contact Us".

The main content area is titled "Welcome!" and provides instructions for using the mailing lists. It includes a "List" table with columns for "List" and "Description".

| List | Description |
|---|---|
| ANSS-netops | ANSS Network Operators |
| CEUS-Earthquake-Hazards | Central and Eastern U.S. Earthquake Hazards |
| CMT | USGS Centroid Moment Tensor |
| EHP-software | EHP Software Updates |
| External-Research-Support | Announcements from the External Research Support |
| MT | [no description available] |
| nshmp-ca | 2014 NSHMP California Mail List |
| nshmp-ceus | 2014 NSHMP Central and Eastern US |
| nshmp-geodesy | 2014 NSHMP Geodesy Mail List |
| nshmp-imw | 2014 NSHMP Intermountain West Mail List |
| nshmp-nga | 2014 NSHMP Next-Generation Attenuation |
| nshmp-pnw | 2014 NSHMP Pacific Northwest Mail List |
| nshmp-user | 2014 NSHMP User Needs Mail List |
| PDL | PDL software releases and discussion |
| PNW-Earthquake-Hazards | Pacific Northwest Earthquake Hazards |
| researchCMT | USGS research CMT |
| Shake-dev | ShakeMap Developers' Mailing List |
| ShakeCast-summary | Delivers California city potential damage summaries |
| Shakecast-users | ShakeCast users info and support |

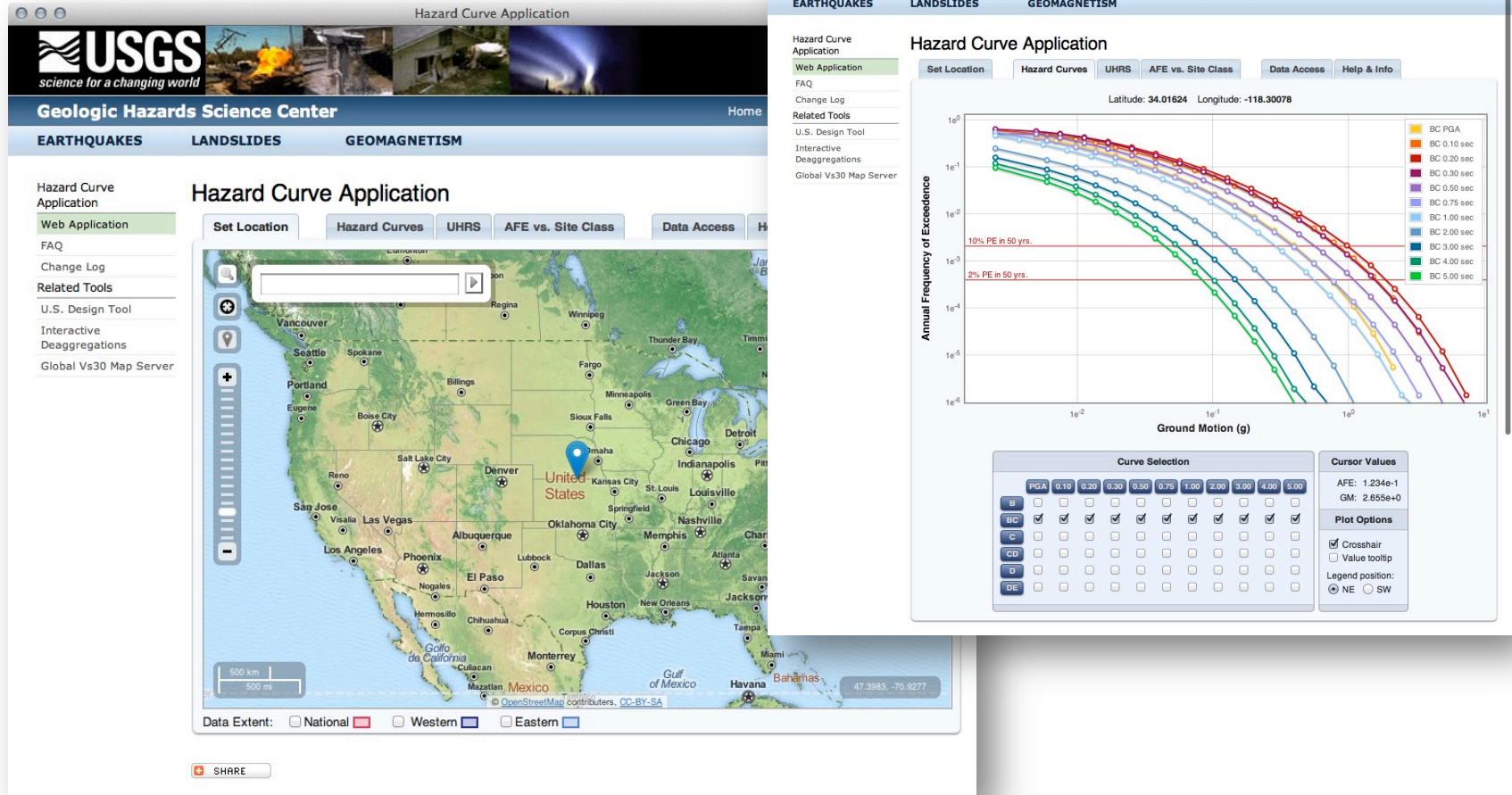
Below the mailing list table, there is a "The 2014 National Seismic Hazard Maps" section. It includes a note that users must register with each mail list separately and a table of workshops.

| Workshop | Location | Date |
|---|--|----------------------|
| Central and Eastern United States sources | Fogelman Conference Center University of Memphis, TN | February 22-23, 2012 |
| Pacific Northwest sources and subduction ground motions | South Campus Center University of Washington, Seattle, WA | March 21-22, 2012 |
| Intermountain West sources | Officer's Club University of Utah, Salt Lake City, UT | June 13-14, 2012 |
| California workshop | Dumberton Conference Room Pacific Research Center Newark, CA | October 17-18, 2012 |
| NGA East workshop | International House University of California, Berkeley, CA | December 12-13, 2012 |
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| Geodetic workshop | TBD | Fall 2012 |
| User workshop | TBD | early 2013 |

The bottom of the page features a "DELIVERED BY MAILMAN" logo, a "PYTHON powered" logo, and a cartoon bull head.

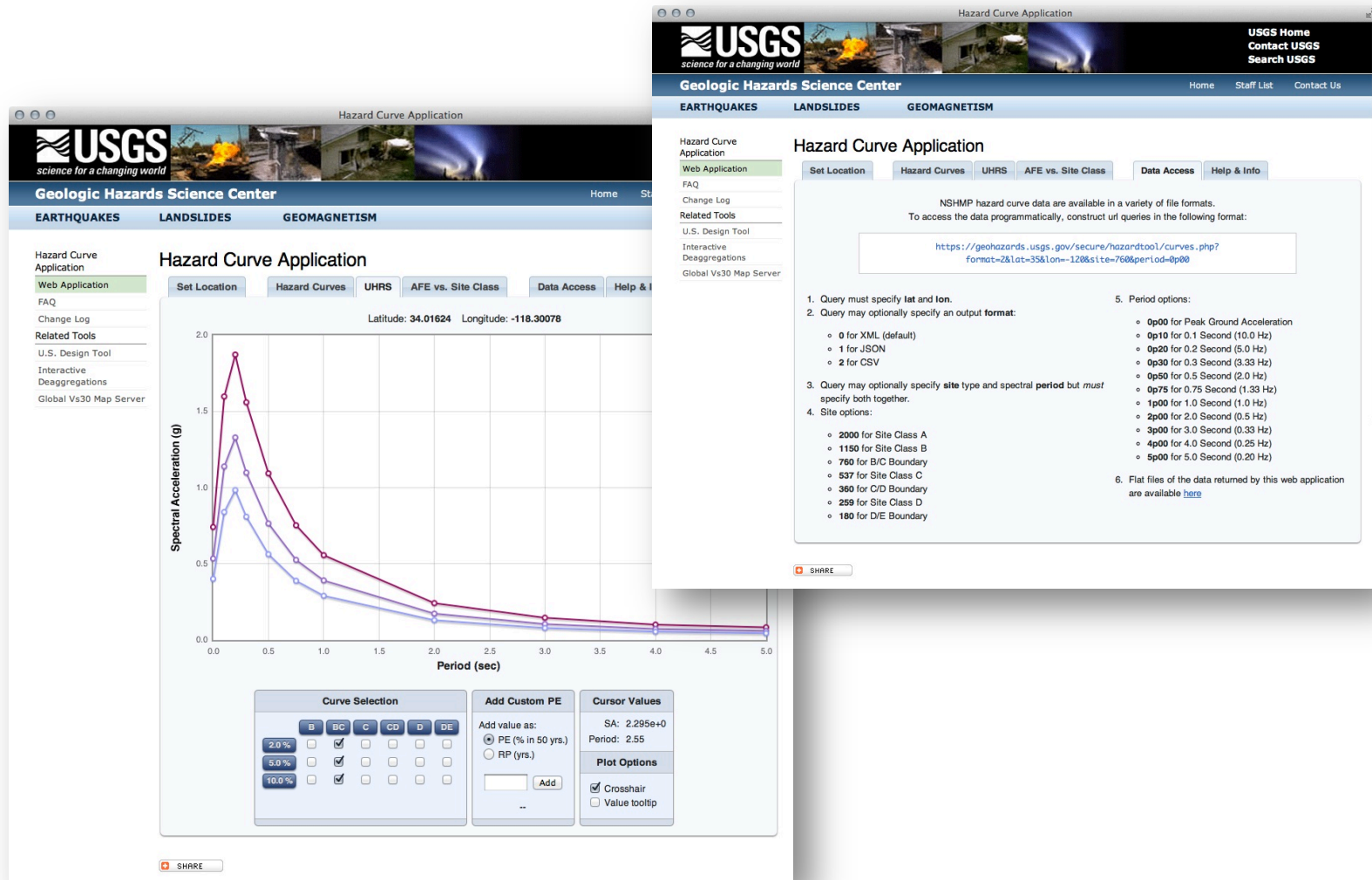
<https://geohazards.usgs.gov/trac/wiki/NSHMP/2014>

Online Resources: Web Applications



<https://geohazards.usgs.gov/secure/hazardtool/>

Online Resources: Web Applications



<https://geohazards.usgs.gov/secure/hazardtool/>

Online Resources: Web Applications

The image displays two screenshots of USGS web applications. The left screenshot shows the 'U.S. Seismic DesignMaps' web application. It features a sidebar with a menu including 'U.S. Seismic Design Maps', 'Web Application', 'Batch Mode', 'Min/Max for Regions', 'FAQ', 'Help', 'Seismic Design for Engineers', and 'Seismic Hazards'. The main content area is titled 'U.S. Seismic "DesignMaps" Web Application' and includes a warning: 'Please note that the most recent design code(s) may not yet govern in your municipality. If you are unsure currently enforced in your area, please consult your local building or transportation official before using this'. Below this, there are tabs for 'Application', 'Batch Mode', and 'Help'. The 'Application' tab is active, showing a 'Design Code Reference Document' section with a 'Please Select...' dropdown, a 'Report Title (Optional)' field, a 'Site Soil Classification' section with a 'Please Select...' dropdown, and 'Site Latitude' and 'Site Longitude' fields. A 'Compute Values' button is at the bottom. The right screenshot shows the 'Custom Hazard Mapping' web application. It features a map of the United States with a sidebar menu including 'EARTHQUAKES', 'LANDSLIDES', and 'GEOMAGNETISM'. The 'EARTHQUAKES' tab is active, showing a list of options: 'Earthquakes', 'Hazards', 'Learn', 'Prepare', and 'Monitoring'. The main content area is titled 'Custom Hazard Mapping' and includes a 'Map Title' field, a 'Select a Data Set' dropdown, and a 'Generate Map' button. A 'Customize Map Properties' link is also present.

<https://geohazards.usgs.gov/secure/designmaps/us/>
<https://geohazards.usgs.gov/hazards/apps/cmmaps/>

Online Resources: OpenSHA

- Open source platform for seismic hazard analysis
- Being used for verification of 2008 NSHMP
- <http://www.opensha.org>



Online Resources

- Version control (SVN)
- Regional email lists
- Web applications:
 - Hazard
 - Design
 - Mapping
 - More to come...
- OpenSHA

Questions? Comments?
Witty observations?

Contact: pmpowers@usgs.gov